

Enterprise Transportation Data Management Scalability & Deployment

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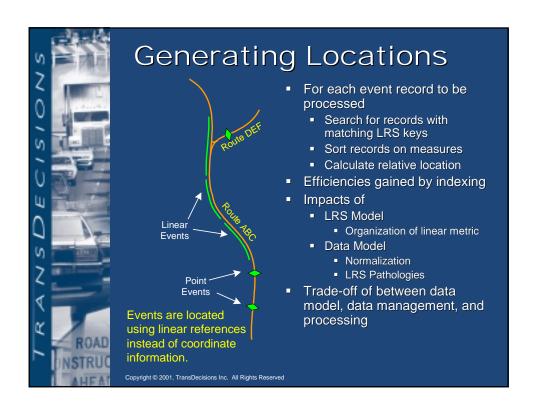
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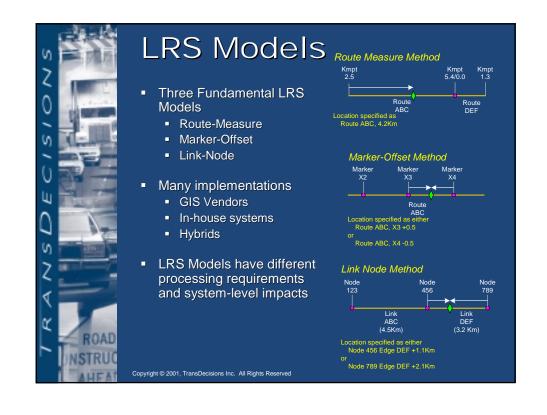


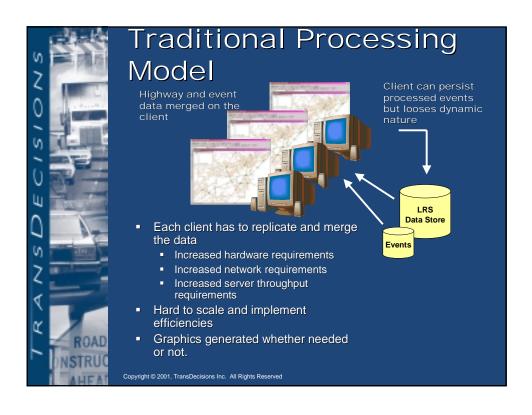
Overview

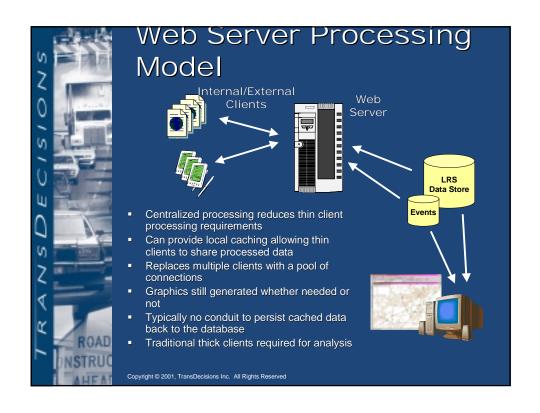
- Dynamic Segmentation as a process
- LRS Processing Models
 - Traditional Clients
 - Web Servers
 - Application Servers
 - Embedded Servers
- Issues with Scalability
- Issues with Deployment

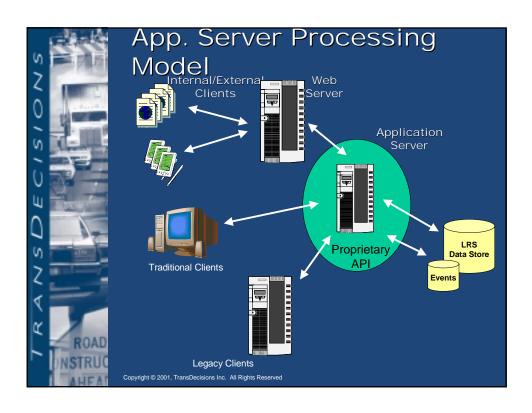
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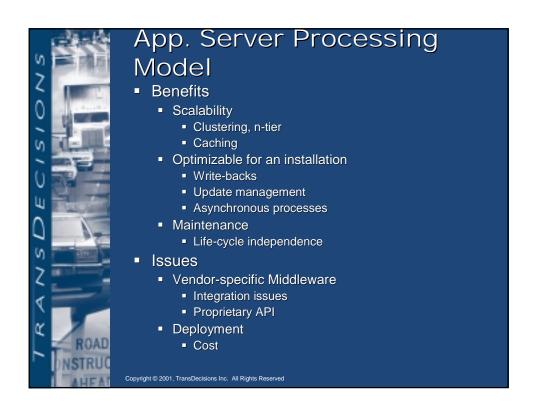


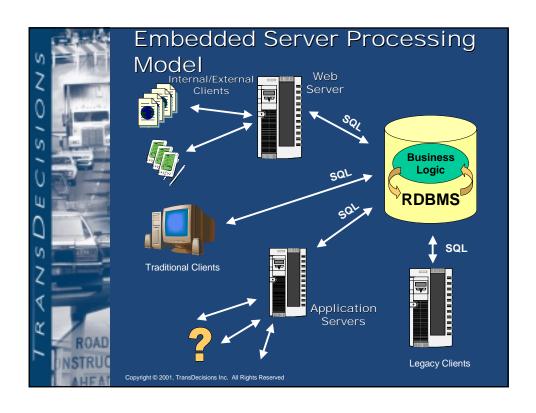


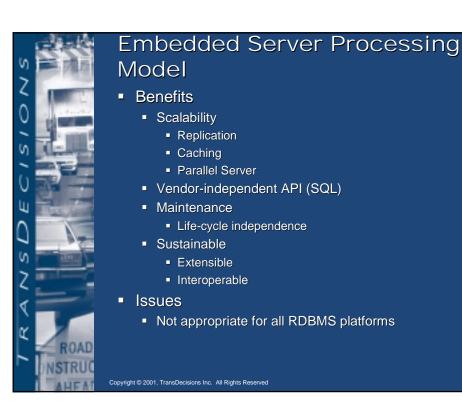














Selection Criteria

- Selection of a processing model should be reflect the institutional approach to Information Systems Management
- Differentiate systems on
 - Required Functionality
 - Maintainability
 - Sustainability

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Maintainability

- Ability to keep the existing system running through dependent product cycles
- GIS Context
 - Ability to edit, extend, and generally manage the highway network in-house
- Information Systems Context
 - Leverage existing in-house knowledge and skills
- Corporate Context
 - Remove reliance on contractor or third-partyvendors to maintain the system.

Focus on the implementation details of the application

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Sustainability

- Ability to sustain the utility of the application through time
- Ability to integrate new client and legacy applications
- Differs from maintenance criteria
 - Migration to new hardware organizations
 - Interoperability
 - Multi-faceted API

Focus on the system architecture, lifecycle, and extensibility of the application

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